

Amendment in Reply to the Final Office Action mailed on October 18, 2007  
and the Advisory Action mailed on December 10, 2007

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus comprising an optical input device controlled by a moving object near a window and an optical keyboard, which input device comprises at least ~~one~~ two optical sensor unit ~~units~~ comprising ~~a~~ at least two diode laser ~~lasers~~ for supplying a at least two measuring beam beams and converting means for converting measuring beam radiation reflected by the object into an electric signal, which converting means are constituted by the combination of a laser cavity and measuring means for measuring changes in operation of the laser cavity, which are due to interference of reflected measuring beam radiation re-entering the laser cavity and the optical wave in this cavity and which are representative of the movement of the object, wherein a

~~path at least two paths~~ of the ~~at least two~~ measuring beam-beams from the ~~at least two diode laser-lasers~~ to the window ~~extends~~ extend through a ~~at least two~~ light guide-guides of the optical keyboard, said ~~light path including at least three mirrors~~ at least two paths including mirrors and passing through the window.

2. (Currently Amended) The apparatus as claimed in claim 1, wherein the ~~input device comprises at least two sensor units, which~~ units are arranged relative to the optical keyboard such that the at least two measuring beam-beams of the first and second sensor unit passes on its way to the device window the positions of a first set of keys and the positions of a second set of keys, respectively, the first set and the second set together comprising all keys to be controlled.

3. (Currently Amended) The apparatus as claimed in claim 1, wherein the input device comprises at least three sensor units, which are arranged relative to the optical keyboard such that the at least three measuring beam-beams of the first, ~~the~~ second and

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~~the third sensor unit passes units pass, on its their~~ way to the device window, ~~the~~ positions of a first, a second and a third set of keys, respectively, the first, second and third set comprising all keys to be controlled.

4. (Currently Amended) The apparatus as claimed in claim 1, wherein the ~~input device comprises a~~ at least one sensor unit of the two sensor unit units is adapted to measure both a scroll movement and a click movement and provided with additional means, which allow establishing the presence of an object on the window of the device.

5. (Currently Amended) The apparatus as claimed in claim 4, wherein the additional means are constituted by means for establishing whether the ~~modulated-reflected~~ measuring beam radiation shows an amplitude variation of a frequency lower than the frequencies of variations caused by a scroll movement.

6. (Currently Amended) The apparatus as claimed in claim 5,

wherein the said at least one sensor unit comprises a first radiation-sensitive detector for measuring variations in the laser cavity, wherein the additional means is constituted by a second radiation-sensitive detector arranged for receiving measuring beam radiation, which is non-incident on the laser cavity.

7. (Currently Amended) The apparatus as claimed in claim 4, wherein the additional means are constituted by electronic means for detecting a component in ~~the~~ an output signal of said measuring means.

8. (Currently Amended) The apparatus as claimed in claim 4, wherein said at least one sensor unit is activated by activation pulses and the measuring means perform measurements during time intervals determined by the activation pulses, wherein the additional means comprises counting means and comparing means to establish whether ~~the~~ a number of undulations in the output signal measured during a first half and a second half of a said time interval are equal.

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9. (Currently Amended) The apparatus as claimed in claim 1, wherein the measuring means of the input device are means for measuring a variation of ~~the~~ an impedance of the laser cavity.

10. (Currently Amended) The apparatus as claimed in claim 1, wherein the measuring means is a radiation-sensitive detector for measuring radiation emitted by ~~the~~ one laser diode of the at least two diode lasers.

11. (Currently Amended) The apparatus as claimed in claim 5, wherein ~~the~~ a radiation-sensitive detector is arranged at ~~the~~ a rear side of the laser cavity.

12. (Currently Amended) The apparatus as claimed in claim 6, wherein the second detector is arranged at ~~the~~ a side of the laser cavity where the measuring beam is emitted.

13. (Previously Presented) The apparatus as claimed in claim

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1, wherein the apparatus is a mobile phone.

14. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a cordless phone.

15. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a laptop computer.

16. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a hand-held computer.

17. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a keyboard for a desk computer.

18. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a remote control for a TV set.

19. (Currently Amended) An apparatus having an optical input device controlled by a moving object near a window, the optical

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input device comprising at least ~~one~~ two optical sensor unit ~~units~~  
including ~~a~~ at least two diode laser lasers for supplying ~~a~~ at  
least two measuring beam beams and converting means for converting  
a reflected beam reflected by the moving object into an electric  
signal, wherein ~~a path~~ at least two paths of the measuring beam  
from the at least two diode laser lasers to the window ~~includes at~~  
~~least three mirrors~~ include mirrors and pass through the window.

20. (Currently Amended) An optical input device controllable  
by a moving object near a window, the optical input device  
comprising:

~~a~~ at least two diode laser lasers for supplying a measuring  
beam for reflection from the moving object; and

~~a detector~~ at least two detectors configured to convert a  
reflected beam reflected by the moving object into an electric  
signal, wherein ~~a path~~ at least two paths of the measuring beam  
from the at least two diode laser lasers to the window ~~includes at~~  
~~least three mirrors~~ include mirrors pass through the window.

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21.(New) The apparatus of claim 1, wherein the at least two guides are independent from each other and meet only at the window.

22.(New) The apparatus of claim 19, wherein the at least two paths are independent from each other and meet only at the window.

23.(New) The optical input device of claim 20, wherein the at least two paths are independent from each other and meet only at the window.